

KAIROS

Achieving Innovation in Live Video, Video Production Platform KAIROS Mainframes Kairos Core 200/2000

Four Models Lineup to Suit the Operating Environment

Middle-range class: Kairos Core 200 (AT-KC200, AT-KC200L1); High-end class: Kairos Core 2000 (AT-KC2000, AT-KC2000S1); users can select a model suitable for their operating environment according to the number of IP/SDI inputs and outputs and storage capacity.

Flexible and Diverse Video Production

GPU-based video processing enables multi-layer configurations not limited by the number of MEs or keys, a canvas function that enables use of irregular aspects such as 32:9 and portrait, and support for flexible resolution settings not bound by standard formats.*

With such capabilities and more, KAIROS ensures highly flexible and diverse video production.

* Requires software version 2.0, and supports for both ST 2110 and HDMI input/output. Supports resolutions up to 9.8 megapixels.

Supports Diverse I/O Signals and Multiple Channels

Kairos Core 200/2000 supports a variety of input and output signals, including SDI, HDMI¹, ST 2110, NDI[®] High Bandwidth, and SRT. It also supports ST 2022-7 redundancy, which duplicates the network for operational reliability. Redundancy without halving the number of inputs; the AT-KC2000S1 also does not halve both of inputs and outputs. Furthermore, Smart Routing Inputs² allow the input sources of network switches to be deployed and operated as virtual inputs on KAIROS, enabling operation beyond the maximum number of inputs.

*1: Requires Kairos Software Version 2.0 or later and the optional AT-KC20M2 HDMI Input Board or AT-KC20M3 HDMI Output Board.

*2: Requires Kairos Software Version 1.7.1 or later. Please contact your distributor for details on using ST 2110 in/out on the AT-KC200L1.



AT-KC200
AT-KC200L1
Kairos Core 200 (Main Frame)



AT-KC2000
AT-KC2000S1
Kairos Core 2000 (Main Frame)

Next Gen KAIROS for Extra-innovative Live-video Production

New Midrange KAIROS with Increased Functionality and Performance

AT-KC200/KC200L1

Kairos Core 200
(Main Frame)



High-end KAIROS for Next-gen Live-video Production Featuring Unmatched Performance Like Never Before

AT-KC2000/KC2000S1

Kairos Core 2000
(Main Frame)



Diverse and Flexible Inputs/Outputs

All 4 models: Agile I/O Routing for flexible allocation of IP input and output according to bandwidth, and Smart Routing^{*1}, which allows virtual handling of video sources input to network switches, up to 64 inputs regardless of video format. It also supports flexible resolution settings not bound by standard formats.^{*2}

AT-KC2000S1: The number of IP inputs is double that of the AT-KC200/KC2000. During redundancy operation, the number of inputs/outputs is not halved.

AT-KC200L1: SDI inputs/outputs and NDI[®] and SRT as standard.^{*3}

Major Specifications – Please check the web for details.

Model Number	AT-KC200L1	AT-KC200	AT-KC2000	AT-KC2000S1										
Power Requirement	AC100-127V/200-240V, 50/60Hz, 10A/5A, Redundant													
Weight (without accessories & options)	Approx. 17.8 kg / 39.24 lb	Approx. 17 kg / 37.47 lb												
Dimensions (W x H x D)	430 mm x 176 mm x 505 mm / 16-15/16" x 6-15/16" x 19-7/8" (4 RU)													
Agile Input Routing	Yes ^{*3}	Yes												
Smart Routing Input	Yes ^{*3}	Yes ^{*1}												
ST 2110 I/O ^{*4}	<table border="1"> <tr> <td>HD 1.5G</td><td>64 in x 40 out^{*3}</td></tr> <tr> <td>HD 3G</td><td>32 in x 40 out^{*3}</td></tr> <tr> <td>4K 12G</td><td>8 in x 10 out^{*3}</td></tr> </table>	HD 1.5G	64 in x 40 out ^{*3}	HD 3G	32 in x 40 out ^{*3}	4K 12G	8 in x 10 out ^{*3}	<table border="1"> <tr> <td>32 in x 40 out</td></tr> <tr> <td>8 in x 10 out</td></tr> </table>	32 in x 40 out	8 in x 10 out	<table border="1"> <tr> <td>64 in x 40 out</td></tr> </table>	64 in x 40 out	<table border="1"> <tr> <td>64 in x 40 out</td></tr> </table>	64 in x 40 out
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8 in x 10 out														
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ST 2022-7 Redundancy	Yes, Inputs not halved Outputs halved ^{*3}	Yes, Inputs not halved Outputs halved	Yes, Inputs/outputs not halved											
NDI ^{®*5} (HD only)	2 in/2 out, Audio 16 ch		2 in/2 out, Audio 16 ch											
SDI	24 in x 12 out of HD/FHD 12 in x 6 out of 4K ^{*6}	Supported with optional AT-KC20M1 SDI I/O Board												
HDMI	Supported with optional AT-KC20M2 HDMI Input Board or AT-KC20M3 HDMI Output Board													
RTP/SRT/RTMP/RTSP	8 in/2 out (only input for RTSP)	16 in/4 out (only input for RTSP)												
RossTalk/NMOS	Yes ^{*3} ^{*7}	Yes ^{*7}												
TSL5.0/AMP/SNMP ^{*8}	Yes													
RAM Player (uncompressed)	8 ch, 32 GB ^{*9}	8 ch, 32 GB ^{*9}	8 ch, 96 GB ^{*9}	8 ch, 86 GB ^{*9}										
Clip Player (compressed)	2 ch, 400 GB		2 ch, 850 GB											
Still Store	up to 4K, 7 GB		up to 4K, 32 GB											
Audio Player (compressed)	4 ch, 400 GB ^{*10}		4 ch, 850 GB ^{*10}											
Multiviewer	4 ch, Max. 36 PiP													
CANVAS Function	up to 8K, 32 Megapixels	up to 12K, 66 Megapixels												
PTP Sync Support	Yes (QSFP and GbE, both ports supported)													

*1: Requires software Version 1.7.1 or later.

*2: Requires software version 2.0 or later. For details, please check our website.

*3: Please contact your distributor for details on using ST 2110 inputs and outputs on the AT-KC200L1.

*4: Please make sure to check the specification on web for port restrictions when in use.

*5: NDI[®] here means NDI[®] High bandwidth.

*6: Three boards are pre-installed and one additional board can be installed.

*7: RossTalk and NMOS each require an optional software key.

*8: Requires software Version 1.7.0 or later.

*9: Max. RAM capacity is reduced with SDI I/O boards, HDMI input boards, or HDMI output boards installed. The maximum capacity is reduced by 2 GB when updating to Ver 1.8. For details, please check our website.

*10: Share capacity with clip player.
• NDI[®] is a registered trademark of Vizrt NDI AB in the United States and other countries.

KAIROS Software Extends to Offline

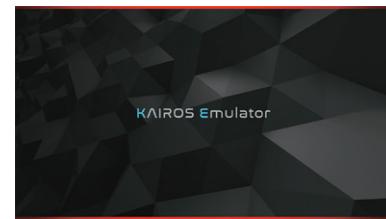


AT-SFC10 Kairos Creator

(GUI Software/Software Key)

Intuitive GUI for easy configuration of inputs/outputs, scenes, layers, etc.

• OS: Windows 10/11, macOS Ventura/Sonoma/Sequoia



Kairos Emulator

Free software that allows production and training with Kairos Creator in offline environments such as outside the studio or at home.

• OS: Windows 10/11

* Requires version 1.7.0 or later.

* Some functions can't use on Kairos Emulator.



Kairos Control (Control Panel), KAIROS Option

Kairos Control (Control Panel)

AT-KC10C1 Kairos Control (Control Panel)

24XPT style, standard type control panel

AT-KC10C2 Kairos Control (Control Panel)

12XPT style, compact type control panel

AT-SFTC10 Touch Control Panel Software

Intuitive operation by touching the multi-viewer screen.

• OS: Windows10/11

* Requires version 1.5 or later.

Optional Hardware

AT-KC20M1 SDI I/O Board

Enables SDI (micro BNC) input/output. Each board has 8 inputs, 4 outputs, and REF input/output. Up to 4 boards can be installed on a single Kairos Core.

• Installation on the main frame is carried out by the dealer. Always consult your dealer for installation.

AT-KC20M2 HDMI Input Board

AT-KC20M3 HDMI Output Board

Each has four HDMI input or output terminals. Up to 4 boards can be installed on a single Kairos Core.

• Installation on the main frame is carried out by the dealer. Always consult your dealer for installation.

SKAARHOJ's Panasonic Special model

PAN-MKO-V2B-BU Master Key One

PAN-WB-V2B-BU Wave Board

and others.

• SKAARHOJ's Panasonic Special Models are not products handled by Panasonic Connect Co. Panasonic Connect does not guarantee the specifications, etc. Please contact SKAARHOJ <<https://www.skaarhoj.com/>> or SKAARHOJ's resellers <<https://www.skaarhoj.com/discover/reseller-list/>> for more information about the product. Please contact your area's Panasonic Sales Companies for purchase.



For more information,
please visit Panasonic web site
<https://pro-av.panasonic.net/en/>

SP-C-KC2000ENZ5

Panasonic Entertainment & Communication Co., Ltd.

1-10-12 Yagumo-higashi-machi, Moriguchi City, Osaka 570-0021, Japan

Specifications are subject to change without notice.